Step 1.

Run the 6 ga. wire to both locations (motor & battery box) and attach to truck body as shown (Fig. 1).

Note: The wire must go beyond the pivot point.

Caution: Make sure wire does not get pinched at the pivot.

Step 2. Attaching The Connectors (Motor)

A. Split the molded 6 ga. wire approximately 4” and strip the ends about 5/8” down.

B. Attach connectors (part # 514 0308) and crimp (Fig. 2).

C. Attach black wire to Terminal # 1 on motor (Fig. 3).

D. Attach red striped wire to Terminal # 2 on motor (Fig. 3).
Step 3.

A. Mount the Control Box at tailgate.

B. Split the 6 ga. wire at the Control Box about 4” back and slip on rubber boots - Red Boot (part # 514-0319) on red striped wire and Black Boot (part # 514-0317) on black wire (Fig. 4 & 5).

C. Strip wire about 5/8” and attach connectors (part # 514-0308) (Fig. 4). Crimp Connectors.

D. Attach Red Striped wire to Motor (+) and Black wire to Motor (-) on Control Box (Fig. 5).

Caution: Do not over tighten nuts on connections!

Step 4. Wiring the Breaker

A. Mount breaker in the battery box away from moisture.

B. Cut a section in the red 6 ga. wire that will run to the positive terminal on the battery.

C. Strip the ends about 5/8” and attach the 6 ga. #10 terminal ends (Part # 514-0307).

D. Attach to breaker.
Step 5. Wiring the Battery

A. Attach the red striped 6 ga. wire to BAT (+) at the control box. Slide Red Terminal Boot over the end and connect using the Lug Connector (part # 514-0308) as done in step 3.

B. Attach the other end of the red striped 6 ga. wire to the positive terminal on the battery using a 6 ga. 3/8” terminal end (part # 514-0309) or 1/4” terminal end (part # 514-0308) depending on the size of the terminal at the battery (Fig. 7).

Step 6. Wiring the Battery

A. Connect the black 6 ga. wire to the negative terminal on the battery using a 6 ga. 3/8” terminal end (part # 514-0309) or 1/4” terminal end (part # 514-0308) depending on the size of the terminal at the battery (Fig. 8).

B. Attach the other end of the black 6 ga. wire to BAT (-) at the control box as done in step 3. Slide Black Terminal Boot over the end and connect using the Lug Connector (part # 514-0308) as shown (Fig. 8).

Warning: You must attach the black 6 ga. wire to the battery first, before attaching it to the box.

Note: If the system operates backwards then reverse the 6 ga. wires on the motor.
25 Amp Electrical PT Switch Assembly

Wiring Instructions

<table>
<thead>
<tr>
<th>Item #</th>
<th>Part #</th>
<th>Description</th>
<th>QTY</th>
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<tbody>
<tr>
<td>1</td>
<td>514-9906</td>
<td>Enclosure for Electric Switch</td>
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<td>517-0214</td>
<td>Electric Switch Label</td>
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<td>3</td>
<td>514-0402</td>
<td>25 Amp “Push to Rest Breaker”</td>
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<td>514-0403</td>
<td>30 Amp Type II Breaker</td>
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<td>514-0317</td>
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<td>514-0319</td>
<td>Red Terminal Boot</td>
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<td>8</td>
<td>514-0308</td>
<td>Connector 6 ga. Lug with 1/4” Eyelet</td>
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<td>Connector 6 ga. Lug with 3/8” Eyelet</td>
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<td>10</td>
<td>514-0307</td>
<td>Connector 6 ga. #10 Stud</td>
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